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Term: L26 with 110

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

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Search History

DATE: Wednesday, January 08, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L28	L26 with l10	10	L28
L27	L26 with l23	1	L27
L26	L25 or l24	2168276	L26
L25	calcium	379628	L25
L24	ca	1904405	L24
L23	endosomal membrane	203	L23
L22	l10 with l2	39	L22
L21	L19 same l3	10	L21
L20	l19 same l8	5	L20
L19	l10 with l2	39	L19
L18	l16 same l10	2	L18
L17	l16 with l10	0	L17
L16	polyplex	47	L16
L15	l12 and l10	2	L15
L14	L12 same l10	2	L14
L13	L12 with l10	1	L13
L12	SPLP	21	L12
L11	L10 with l8 with l2	4	L11
L10	endosom$	2220	L10
L9	l8 with l3 with l2	5	L9
L8	complexed or conjugated	113982	L8
L7	lipid or lipsome	69910	L7
L6	L5 same l4	11	L6
L5	polylysine	6012	L5
L4	L3 with l2 with l1	29	L4
L3	hydrophilic polymer or peg	82352	L3
L2	cationic lipid	3858	L2
L1	conjugated lipid or liposome	32090	L1

END OF SEARCH HISTORY

L22: Entry 13 of 39 File: PGPB Jul 19, 2001

DOCUMENT-IDENTIFIER: US 20010008772 A1
TITLE: CATIONIC LIPID FORMULATION DELIVERING NUCLEIC ACID TO PERITONEAL TUMORS

Summary of Invention Paragraph (10):
[0008] While lipid carriers have been shown to enhance nucleic acid delivery in vitro and in vivo, the mechanism by which they facilitate transfection is not clearly understood. While it was initially believed that lipid carriers mediated transfection by promoting fusion with plasma membranes, allowing delivery of the DNA complex into the cytoplasm, it is now generally accepted that the primary mechanism of cellular uptake is by endocytosis. While the mechanism by which cationic lipid carriers act to mediate transfection is not clearly understood, they are postulated to act in a number of ways with respect to both cellular uptake and intracellular trafficking. Some of the proposed mechanisms by which cationic lipids enhance transfection include: (i) compacting the DNA, protecting it from nuclease degradation and enhancing receptor-mediated uptake, (ii) improving association with negatively-charged cellular membranes by giving the complexes a positive charge, (iii) promoting fusion with endosomal membranes facilitating the release of complexes from endosomal compartments, and (iv) enhancing transport from the cytoplasm to the nucleus where DNA may be transcribed. When used for in vivo delivery, the role of the cationic lipid carriers is further complicated by the interactions between the lipid-nucleic acid complexes and host factors, e.g., the effects of the lipids on binding of blood proteins, clearance and/or destabilization of the complexes.